

COT I Human DNA

In Bulk Quantity



BIORON offers COT I Human DNA in different volumes and concentrations.

COT I Human DNA

- From human placenta DNA, male
- Balanced proportion of Y-chromosomal sequences
- Enriched repetitive sequences > 98%
- Reliable size distribution 50 – 300 bp
- Constant quality
- Virus-free
- Phenol treated

BIORON is one of the largest manufacturers of COT I Human DNA.



COT I Human DNA



The COT fraction of human placental genomic DNA consists mainly of rapidly annealing repetitive elements. The manufacturing process of COT I DNA is improved to guarantee a constant size distribution of 50 to 300 base pairs.

Reliable manufacturing process

- Purified human placenta DNA
- Shearing, denaturing and reannealing
- Proprietary final processing step
- Constant size distribution
- Consistent batches

Highest safety

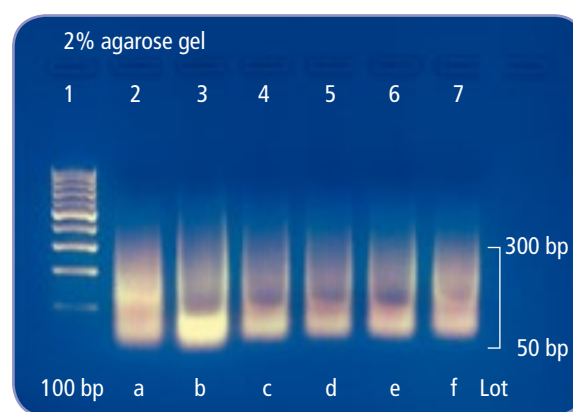
- Phenol treated
- HIV III, HCV and HBV tested

Tested quality

- By photometric and fluorometric methods
- Purity A260/280 >1.5

Application

- Acting as blocking agent for repetitive sequences
- Decreases false positive signals in:
 - Microarrays
 - In situ hybridisations
 - Southern blots



COT I human DNA: size distribution of lots a – f

BIORON's Product line human genomic DNA

Product	Application	Pack size	Ref.No.
COT I Human DNA	Blocking agent Microarrays In situ hybridisations Filter hybridisations	500 µg Larger volumes upon request	401001
Human Placenta DNA, lyophilized	Filter hybridisation Genomic analysis Construction of genomic libraries	2000 mg Larger quantities upon request	401005

*COT I Human DNA is supplied with a concentration of 1 – 2 mg/ml